
About this document

The transmission parameters in this document apply to Meridian 1 options system and Meridian SL-1 systems with North American and International versions of X11 software.

Note: For system option 11 transmission parameters, see the chapter titled “Transmission parameters” in the *System option 11 technical reference guide* (553-3011-100).

Meridian 1 communication systems provide two methods of converting signals from analog to digital or digital to analog:

- μ -Law, used in North America and Japan
- A-Law, used in most other areas of the world, including Europe

Since Meridian 1 and Meridian SL-1 systems are backward compatible, various system configurations are possible. The ports within a system can be configured in the following:

- intelligent peripheral equipment (IPE) modules
- peripheral equipment (PE) modules or PE shelves in an SL-1 cabinet
- various common equipment modules or shelves

IPE modules support intelligent peripherals, such as NT8D14 Universal Trunk Cards and NT8D09 Message Waiting Line Cards. PE modules or shelves support PE cards that are identified by “QPC” codes. Various common equipment modules or shelves support digital trunk interface (DTI) and primary rate interface (PRI) cards.

IPE, PE, and common equipment ports may be interconnected to support transmission requirements. The loss tables in this document provide the transmission requirements for these interconnections.

References

See the *Meridian 1 planning and engineering guide* for the following line and trunk card documents:

- *SL-1 line cards description* (553-2201-184)
- *Meridian 1 line cards description* (553-3001-105)
- *Meridian 1 trunk cards description* (553-3001-106)
- *NT8D03 Analog Line Card description* (553-3001-161)

See *Private Branch Exchange (PBX) Switching Equipment for Voiceband Applications* (ANSI/EIA/TIA-464-A-1989) for more details regarding transmission parameter standards.